

*Sub 2* What is claimed is:

1. A mobile power driven conveyor for moving packages to and from various elevated locations, comprising

a main elongated boom structure including side rails having first and second ends,

cross members extending between and secured to said side rails at predetermined intervals, said side rails and cross members defining a top portion and a bottom portion of said boom and an passage internal of said boom,

cross shafts rotatably mounted between said side rails adjacent said ends therefor,

first and second sets of rollers carried on said cross shafts, respectively,

at least said side rails being formed of an electrically non-conductive material,

a conveyor belt of electrically non-conductive material extending along said boom and about said rollers forming an upper conveying flight along the top portion of said boom and a return flight through said passage,

conveyor lugs secured across said belt at spaced intervals,

means for driving said belt to move said flights along said boom,

a supporting mount secured to said boom adjacent said first ends of said side rails, said mount being arranged to raise and lower said boom and to swing said boom from side to side about said mount.

2. A mobile conveyor as defined in claim 1, wherein the side rails are fiberglass reinforced structural plastic beams.

3. A mobile conveyor as defined in claim 1, wherein the belt is made from polypropylene.

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4. A mobile conveyor as defined in claim 1, wherein said means for driving said belt is a hydraulic motor, and hoses of non-conductive material providing supply and return of hydraulic fluid to said motor.

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5. A mobile power driven conveyor for moving packages to and from various elevated locations, comprising

a main elongated boom structure including side rails of filament reinforced electrically non-conductive material having an upper end and a lower end,

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cross members extending between and secured to said side rails at predetermined intervals, said side rails and cross members defining a top portion and a bottom portion of said boom and an passage internal of said boom,

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lower and upper cross shafts rotatably mounted between said side rails adjacent said respective lower and upper ends thereof,

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first and second sets of rollers carried on said cross shafts, respectively, said set of rollers at said upper end being secured to the shaft,

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a conveyor belt of electrically non-conductive material such as polypropylene extending along said boom and about said rollers forming an upper conveying flight along the top portion of said boom and a return flight through said passage,

conveyor lugs secured across said belt at spaced intervals,

means for driving said upper shaft to move said flights of said belt along said boom,

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a supporting mount secured to said boom adjacent said lower ends of said side rails, said mount being arranged to raise and lower said boom and to swing said boom from side to side about said mount.

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